

FORM PTO-1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE							ATTY. DOCKET NO. K-1816		SERIAL NO. Not Yet Assigned		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT Bise et al.							U.S. PTO 1033 09/88464 16725711				
		FILING DATE June 25, 2001											GROUP Not Yet Assigned
U.S. PATENT DOCUMENTS <i>Part of #2</i>													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>Jay</i>		2	0	0	2	3	8	8	05/1935	Bannister			
<i>Jay</i>		2	5	7	8	5	9	3	12/1951	Phipps			
		2	7	3	5	6	5	6	02/1956	Hoglund et al.			
		3	1	3	1	7	7	9	05/1964	Rowley et al.			
		4	1	8	9	0	1	3	02/1980	Adams et al.	175	320	
		4	2	1	6	8	3	2	08/1980	Stephenson et al.	172	540	
		4	3	3	0	0	4	4	05/1982	Orr et al.	175	410	
		4	3	5	2	4	0	0	10/1982	Grappendorf et al.	175	330	
		4	4	4	6	9	3	6	05/1984	Sarin et al.	175	410	
		4	4	8	8	6	0	9	12/1984	Sarin	175	410	
<i>Jay</i>		4	4	9	2	2	7	8	01/1985	Leighton	175	410	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
<i>Jay</i>		8	5	0	2	4	4	2	06/1985	PCT			X
		3	3	1	7	4	4	1	03/1993	Germany			X
		2	5	4	3	2	1	2	09/1984	France			X
		2	7	7	9	3	6	6	12-1999	France			X (partial) X
		0	9	4	1	7	9	4	09/1999	EP			
<i>Jay</i>		2	1	2	3	5	2	3	02/1984	GB			
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)													
<i>Jay</i>		Sittler, Manufactured Diamond and Enhanced Mining Tool Performance, Presentation No. 85-58 at SME-SIME Annual Meeting (February 24-28, 1985) New York, New York											
<i>Jay</i>		Wimet Mining Brochure (date unknown)											
<i>Jay</i>		Carboloy Catalog No. MT7-241 cover page and page 16 (date unknown)											
EXAMINER	<i>Dennis H. O'Key</i>						DATE CONSIDERED <i>2/12/02</i>						
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.													

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>OJH</i>	4	4	9	7	5	2	0	02/1985	Ojanen	299	86	
<i>OJH</i>	4	5	1	1	0	0	6	04/1985	Grainger	175	57	
	4	5	2	7	9	3	1	07/1995	Sarin	407	113	
	4	5	5	6	7	9	1	11/1985	Isakov	175	410	
	4	0	0	5	0	7	0	08/1986	Leibee et al.	175	410	
	4	7	2	5	0	9	9	02/1988	Penkunas et al.	299	86	
	4	7	8	7	4	6	4	11/1988	Ojanen	175	57	
	4	8	1	9	7	4	8	04/1989	Truscott	175	410	
	4	8	3	8	3	6	6	06/1989	Jones	175	410	
	5	1	7	2	7	7	5	12/1992	Sheirer et al.	175	57	
	5	1	8	0	0	2	2	01/1993	Brady	175	430	
	5	1	8	4	6	8	9	02/1993	Sheirer et al.	175	420.1	
	5	2	2	0	9	6	7	06/1993	Monyak	175	420.1	
	5	2	8	0	3	8	7	12/1993	Nance	175	420.1	
	5	2	8	7	9	3	7	02/1994	Sollami et al.	175	427	
	5	3	0	3	7	8	7	04/1994	Brady	175	430	
	5	3	7	5	6	7	2	12/1994	Peay et al.	175	420.1	
	5	4	0	0	8	6	1	03/1995	Sheirer	175	427	
	5	4	2	0	1	9	9	07/1995	Sheirer et al.	175	321	
<i>OJH</i>	5	4	5	8	2	1	0	10/1995	Sollami	175	420.1	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>OJH</i>		3 0 2 5 8 9 0	01/1982	Germany				<input checked="" type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

<i>OJH</i>	PCT Search Report issued in PCT/US01/02789, filed January 26, 2001, mailed April 17, 2001.
	Kennametal Mining Products Catalog, (1992) Kennametal Inc. pages 18-19
EXAMINER <i>Genia H. Cley</i>	DATE CONSIDERED <i>7/12/02</i>

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EXAMINER INITIAL		PATENT NUMBER			ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
<i>John</i>		5	4	6	7	8	3	7	11/1995	Miller et al.	175	420.1	
		5	8	2	9	5	4	0	11/1998	Peay et al.	175	420.1	
		3	1	4	0	7	4	9	07/1964	Dionisotti	175	410	
		4	2	0	6	8	2	1	06/1980	Emmerich	175	321	
		5	5	5	1	8	1	1	09/1996	Satran et al.	407	40	
		3	5	9	2	2	7	6	07/1971	Pyles	175	410	
		3	5	9	5	3	2	7	07/1971	Self	175	410	
		4	1	4	3	9	2	0	03/1979	Haddock	299	79	
		6	0	6	5	9	0	8	05/2000	Kleine et al.	408	67	
		2	8	0	2	6	4	2	08/1957	Feucht	255	64	
		2	7	3	3	9	4	3	02/1956	Nater	287	125	
		6	0	8	9	3	3	7	07/2000	Kleine et al.	175	394	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER			PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION				
									YES	NO			
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)													
<i>John</i>		Kennametal Brochure "Underground...", B00-28, 2000, Kennametal Inc.											
		Kennametal Brochure "The Mining Tool Authority" B00-27, 2000, Kennametal Inc.											
		Kennametal Advertisement, "Your Best Bets" Mine Expo Show Directory, 2000, Kennametal Inc., (3 pages).											
<i>John</i>		Kennametal Advertisement "Underground Mining Innovations", B00-9, 2000, Kennametal Inc. (2 pages).											
EXAMINER	<i>Dennis H. Peay</i>			DATE CONSIDERED		<i>2/12/02</i>							
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